

What is Claimed is:

1. A gas cylinder comprising:
an aluminum shell having an outer side and an inner side defining a storage space;
a composite wrap disposed about said aluminum shell; and
a plastic coating disposed on said inner side.
2. The gas cylinder of Claim 1, wherein said plastic coating is heat bonded to said inner side.
3. The gas cylinder of Claim 2, wherein said plastic coating is a polyethylene copolymer.
4. The gas cylinder of Claim 3, wherein said storage space is between about 0.5 and 500 liters.
5. The gas cylinder of Claim 4, wherein said composite wrap is carbon or aramid and fiberglass.
6. The gas cylinder of Claim 1, wherein said storage space is between about 0.5 and 500 liters.
7. The gas cylinder of Claim 1, wherein said composite wrap is carbon or aramid and fiberglass.
8. A cylinder assembly comprising:
a valve assembly structured to sealingly engage a cylinder; and
a cylinder comprising:
an aluminum shell having an outer side and an inner side defining a storage space;
a composite wrap disposed about said aluminum shell; and
a plastic coating disposed on said inner side.

9. The cylinder assembly of Claim 8, wherein said plastic coating is heat bonded to said inner side.

10. The cylinder assembly of Claim 9, wherein said plastic coating is a polyethylene copolymer.

11. The cylinder assembly of Claim 10, wherein said storage space is between about 0.5 and 500 liters.

12. The cylinder assembly of Claim 11, wherein said composite wrap is carbon or aramid and fiberglass.

13. The cylinder assembly of Claim 12, wherein said cylinder is structured to contain a gas at a pressure between about 500 to 10,000 psi.

14. The cylinder assembly of Claim 8, wherein said storage space is between about 0.5 and 500 liters.

15. The cylinder assembly of Claim 8, wherein said composite wrap is carbon or aramid and fiberglass.

16. The cylinder assembly of Claim 8, wherein said cylinder is structured to contain a gas at a pressure between about 500 to 10,000 psi.